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## HAZARDOUS WASTE MANAGEMENT DIVISION



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Third Quarter Groundwater Monitoring of 1992  
at the  
Stoody Company Facility  
Industry, California  
for  
Thermadyne Holdings Corporation  
St. Louis, Missouri

Clayton Project No. 39314.03

May 3, 1993

5785 Corporate Avenue  
Suite 150  
Cypress, CA 90630  
(714) 229-4806  
Fax (714) 229-4805

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

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at the  
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St. Louis, Missouri

Clayton Project No. 39314.03

May 3, 1993

Pacific Operations  
Los Angeles

1851- 05783

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**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

May 3, 1993

Mr. Samuel Yu  
Environmental Specialist  
CRWQCB, LOS ANGELES REGION  
101 Centre Plaza Drive  
Monterey Park, CA 91754-2156

Clayton Project No. 39314.03  
CRWQCB File No. 105.0263

Subject: Third Quarter Groundwater Monitoring Results from the Stooddy Company  
Facility, 16425 East Gale Avenue, Industry, California

Dear Mr. Yu:

Clayton Environmental Consultants Inc., is pleased to present to you the report of the  
Third Quarter Monitoring Results at the above referenced address on behalf of the  
Stooddy Company.

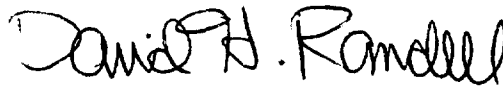
If you have any questions or require additional information, please contact Mr. David  
Randell or me at (714) 229-4806.

Sincerely,



Guy Romine  
Environmental Geologist

Reviewed by,



David H. Randell, R.G.  
Manager, Environmental Engineering  
Pacific Operations

cc: Ms. Kathy Kieffer, Thermadyne Holdings Corporation  
Mr. Martin Casper, Thermadyne Holdings Corporation  
Jaswant Singh, Ph.D., Director, Pacific Operations

E39314-Q3.REP

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## **1.0 INTRODUCTION**

Stoody Company retained Clayton Environmental Consultants, Inc., on December 31, 1991, to redevelop and perform quarterly groundwater monitoring for each of five groundwater monitoring wells during 1992, at the Stoody Company, located at 16425 East Gale Avenue, Industry, California (Appendix A, Figures 1 and 2). The work was performed in accordance with the Terms and Conditions outlined in Clayton's Proposal No. 91-SEE-186, dated December 18, 1991.

### **1.1 OBJECTIVES**

Clayton had two objectives for this third quarter of the project: (1) to measure the level of the groundwater in the five monitoring wells once each month of the quarter of the sampling period, and (2) to monitor the quality of the groundwater in the monitoring wells, through laboratory analysis of samples collected from them, once during the quarter.

### **1.2 SCOPE OF WORK**

Clayton completed the following scope of work to accomplish the objectives listed above:

- Measured and recorded the depth to groundwater for each well once a month
- Collected and laboratory analyzed groundwater samples from the monitoring wells
- Issued a quarterly report of the findings, conclusions and recommendations

## **2.0 BACKGROUND**

Clayton has performed subsurface investigations and quarterly groundwater monitoring at the Stoody Company facility for the past 3 years. The Stoody Company stopped their manufacturing operations at the facility in November of 1991. The facility currently is used for warehousing purposes.

The information presented in Table 1 (Appendix A) summarizes the laboratory analyses of the last three quarterly sampling events. During that time the laboratory reports from the groundwater analyses have provided results that generally show some trends concerning the level of contamination of the groundwater beneath the facility (Table 1, Appendix A). A discussion of these will be provided in the fourth quarterly report.

### **3.0 MONITORING ACTIVITIES**

The following sections present the field procedures, field work, and laboratory analyses used to meet the investigation objectives.

#### **3.1 FIELD PROCEDURES**

Clayton followed specific field procedures to complete the field activities. The following subsections describe procedures for the groundwater sampling of each well, and the decontamination of the equipment used in the field.

##### **3.1.1 Sampling Procedures**

Prior to groundwater sampling, at least three well casing volumes of water were removed from each well. Water quality parameters (Ph, temperature, and electrical conductivity) were measured and recorded after each casing volume of water had been removed. After removing at least three well casing volumes of water, and after the water quality parameters had stabilized to within plus or minus 10% of the values measured from the previous casing volume, the wells were allowed to recharge for at least 1 hour.

After the wells had recovered, at least one additional set of water quality parameters was taken. If the parameters again showed a value within plus or minus 10% of the value of the last readings, water samples for laboratory analyses were collected.

The groundwater samples were collected with a Lexan™ bailer. The groundwater samples were decanted from the bailer with a Teflon™ tap and collected in appropriate containers with preservatives in accordance with Environmental Protection Agency (EPA) sampling and preservation guidelines (1984, 40 CFR 136). The samples were labeled, wrapped in shock-absorbing materials, and placed on ice in an ice chest for transportation to a laboratory, certified by the State of California, Department of Health Services (DHS), for analyses. Standard chain-of-custody procedures were followed.

Water removed from the wells during development and sampling was placed in Class 17-H, 55-gallon drums appropriate for water collection. Disposal of the drums and their contents are the responsibility of the Stoddy Company. A total of five drums of water were generated.

##### **3.1.2 Decontamination Procedures**

Clayton hand washed the purging and sampling devices prior to their use in each well. They were washed in an Alconox™ detergent solution, rinsed twice in potable water, and final rinsed with deionized water.

## **3.2 FIELD WORK**

The field work consisted of the following:

- Monthly measurement of the depth to groundwater in each well
- Quarterly collection of groundwater samples from each groundwater monitoring well

### **3.2.1 Groundwater Measurements**

Clayton measured the depth to groundwater in each groundwater monitoring well once a month during the third quarter of 1992. The dates that the depths to groundwater were measured were August 25, September 25, and October 28, 1992. The data is presented in Tables 2 and 3, and Figures 3 through 7 (Appendix A).

### **3.2.2 Groundwater Sampling**

The sampling events for this quarter occurred on October 28, 1992. Clayton's subcontractor H-F Drilling removed a minimum of three casing volumes of groundwater by bailing water from each well with an 8-foot long, 4-inch diameter steel bailer. During the bailing, groundwater quality parameters were taken; the wells were then left to recover for 1 hour. After the recovery time, at least one additional set of water quality parameters were taken followed by the collection of groundwater samples. Appendix B contains copies of Clayton's water sampling field forms indicating the time of sampling, volume purged, pH, conductivity, and temperature obtained from samples from each well.

## **3.3 ANALYTICAL METHODS**

Groundwater samples from each of the wells were analyzed using EPA Methods 180.1 for turbidity, and 524.2 for volatile organic compounds (VOCs). The laboratory analyses for the collected groundwater samples were performed at the laboratory facilities of Clayton Environmental Consultants, in Pleasanton, California. The laboratory reports and the chain-of-custody forms are contained in Appendix C.

## **4.0 MONITORING RESULTS**

### **4.1 FIELD RESULTS**

The depth to groundwater was measured and recorded once a month throughout the quarter. The groundwater level in the five wells has risen an average of 0.04 inches from last quarter. Figures 3 through 7 illustrate the groundwater measurements for each well during the past 12 months.

## **4.2 ANALYTICAL RESULTS**

Each groundwater sample collected was analyzed for 20 volatile organic compounds. The laboratory analyses of the groundwater samples for the third quarter of 1992, and the comparable data from previous months of groundwater monitoring have been summarized in Tables 1 and 4 of Appendix A, specifically VOCs and turbidity.

### **4.2.1 Monitoring Well MW-1**

The laboratory reported a concentration of 140 Nephelometric Turbidity Units (NTUs) in the sample analyzed from Well MW-1 (Appendix A, Table 4).

The laboratory reported the presence of nine VOCs in the sample analyzed from Well MW-1. These VOCs were the same as those identified in the last quarter, with the exception of chloroform, which had a concentration of 1 microgram per liter (ug/L) above the detection limit, and Freon 113, which had not been detected previously.

The following nine VOCs were identified: carbon tetrachloride (CTC), chloroform, 1,1-dichloroethene (1,1-DCE), cis 1,2-dichloroethene (1,2-DCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), trichlorofluoromethane (TCFM), and Freon 113 (Appendix A, Table 3).

The concentrations of four VOCs (CTC, 1,1-DCE, PCE, and TCE) exceeded the maximum contaminant levels (MCLs) established by the U.S. Environmental Protection Agency (EPA) or the State of California Department of Health Services (DHS), which is used as a clean-up guidance level by the CRWQCB for drinking water.

### **4.2.2 Monitoring Well MW-2**

The laboratory reported a concentration of 390 NTUs in the sample analyzed from Well MW-2 (Appendix A, Table 4).

The laboratory reported the presence of nine VOCs in the sample analyzed from Well MW-2, three more than in the last quarter.

The VOCs—CTC, chloroform, 1,1-DCE, cis 1,2-DCE, PCE, 1,1,1-TCA, TCE, TCFM, and freon 113 were identified by the laboratory this quarter (Appendix A, Table 1). With the exception of CTC, chloroform, and freon 113, the VOCs are the same as those identified by the laboratory last quarter.

The concentrations of four VOCs (CTC, 1,1-DCE, PCE, and TCE) exceeded the established MCLs for drinking water.

#### **4.2.3 Monitoring Well MW-3**

The laboratory reported a concentration of 58 NTUs in the sample analyzed from Well MW-3 (Appendix A, Table 4).

The laboratory reported the presence of 19 VOCs in the sample analyzed from Well MW-3, ten more than in the last quarter.

The following VOCs were detected: benzene, CTC, chloroform, 2-chlorotoluene, 1,2-dichloroethane (1,2-DCA), 1,1-DCE, cis 1,2-DCE, ethylbenzene, naphthalene, PCE, toluene, 1,1,1-TCE, TCE, TCFM, 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-TMB, o-xylene, p,m-xylenes, and freon 113 (Appendix A, Table 1) in the sample analyzed from Well MW-3.

The concentrations of five VOCs (CTC, 1,2-DCA, 1,1-DCE, PCE, and TCE) exceeded the MCLs for drinking water.

#### **4.2.4 Monitoring Well MW-4**

The laboratory reported a concentration of 610 NTUs in the sample tested from Well MW-4 (Appendix A, Table 4).

The laboratory reported the presence of nine VOCs in the sample analyzed from Well MW-4. The VOCs are the same as those identified by the laboratory last quarter, with the exception of freon 113, which had not been detected in the past.

The following VOCs were detected: CTC, Chloroform, 1,1-DCE, cis 1,2-DCE, PCE, 1,1,1-TCA, TCE, TCFM, and freon 113 in the sample analyzed from Well MW-4 (Appendix A, Table 1).

The concentrations of four VOCs (CTC, 1,1-DCE, PCE, and TCE) exceeded the MCLs for drinking water.

#### **4.2.5 Monitoring Well MW-5**

The laboratory reported a concentration of 2.4 NTUs in the sample analyzed from Well MW-5 (Appendix A, Table 4).

The laboratory reported the presence of seven VOCs in the sample analyzed from Well MW-5. The VOCs are the same as those identified by the laboratory last quarter with the exception of freon 113, which had not been detected in the previous quarters.

The following VOCs were detected: 1,1-DCE, Cis 1,2-DCE, PCE, 1,1,1-TCA, TCE, TCFM, and freon 113 (Appendix A, Table 1).

The concentrations of three VOCs (1,1-DEC, PCE, and TCE) exceeded the MCLs for drinking water.

## **5.0 CONCLUSIONS**

### **5.1 TURBIDITY**

The laboratory test results for turbidity indicate that the five wells are experiencing some silting in through the filter pack. Because the turbidity concentrations were higher than the previous quarter of sampling it is likely that the wells are accumulating silt in the filter pack and well casing. To resolve this problem Clayton will expand the well development effort next quarter.

### **5.2 VOLATILE ORGANIC COMPOUNDS**

Clayton has performed quarterly groundwater monitoring at the Stoodly Company facility for three years. During that time laboratory results from groundwater analyses have provided no conclusive evidence that the Stoodly Company has contributed to the contaminated condition of the groundwater beneath their facility. Furthermore, well MW-4, the most hydrologically upgradient well on the site, has repeatedly shown VOC levels during the last three years.

Well MW-3 was the first well purged during the sampling event. Our subcontractor's use of a steel bottom-fill bailer to remove water and fines from the well is likely the source of the VOCs. The interior of the bailer is difficult to access and may not have been decontaminated thoroughly enough before its use in MW-3.

## **6.0 RECOMMENDATIONS**

Clayton recommends that the groundwater monitoring at the Stoodly facility continue through 1993. Additionally, Clayton recommends addressing the presence or absence of an upgradient source of contamination, by reviewing, compiling and analyzing data from existing upgradient monitoring wells available in the files of the CRWQCB and the Los Angeles County Department of Public Works. If data is found to further support that the Stoodly Company is in the downgradient position of a known, or suspected, groundwater contamination contributor, Clayton recommends groundwater monitoring be discontinued at the end of 1993.

Clayton will not use the steel bailer for fourth quarter sampling, but will use a downhole submersible pump system to purge water from the wells.


## 7.0 SCHEDULE FOR NEXT GROUNDWATER MONITORING EVENT

Groundwater monitoring will continue on a monthly basis; groundwater sampling (and laboratory analysis) will continue on a quarterly basis.

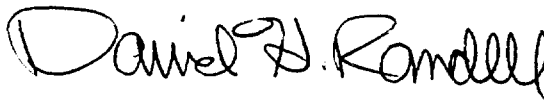
## 8.0 LIMITATIONS

The information and opinions rendered in this report are exclusively for use by the Stood Company. Clayton Environmental Consultants, Inc. will not distribute this report without their consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

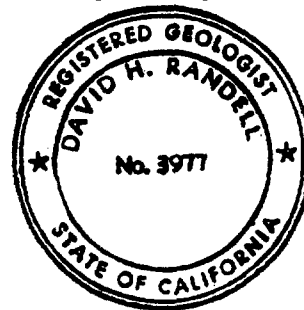
This report submitted by:

  
Guy Romine  
Geologist

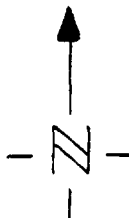
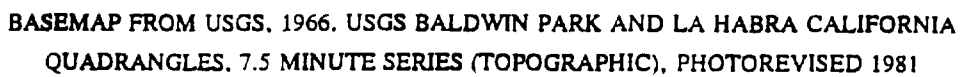
This report reviewed by:

  
David H. Randell  
Registered Geologist, No. 3977  
Manager, Environmental Engineering  
Pacific Operations

May 3, 1993

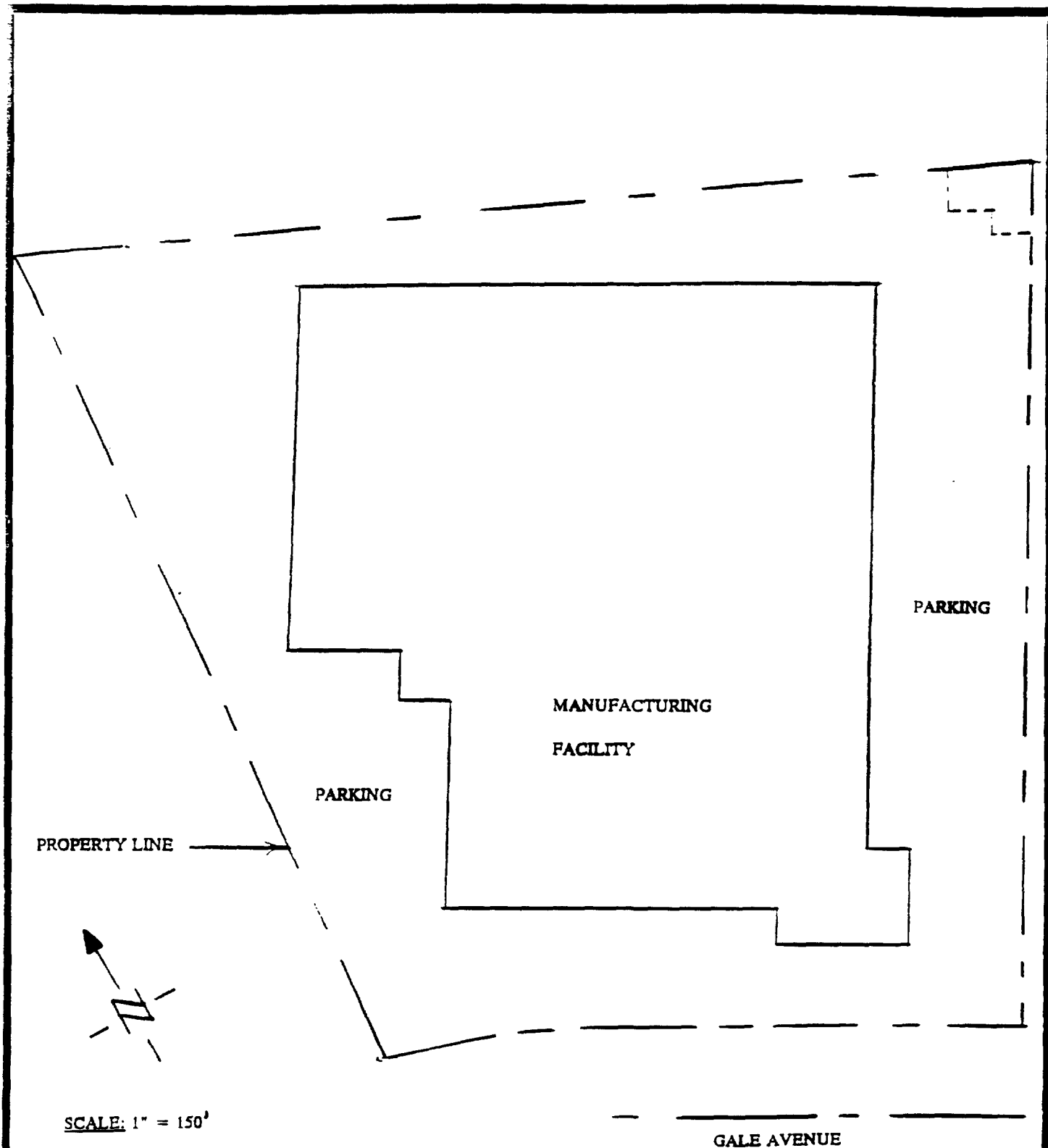


**APPENDIX A**  
**FIGURES AND TABLES**

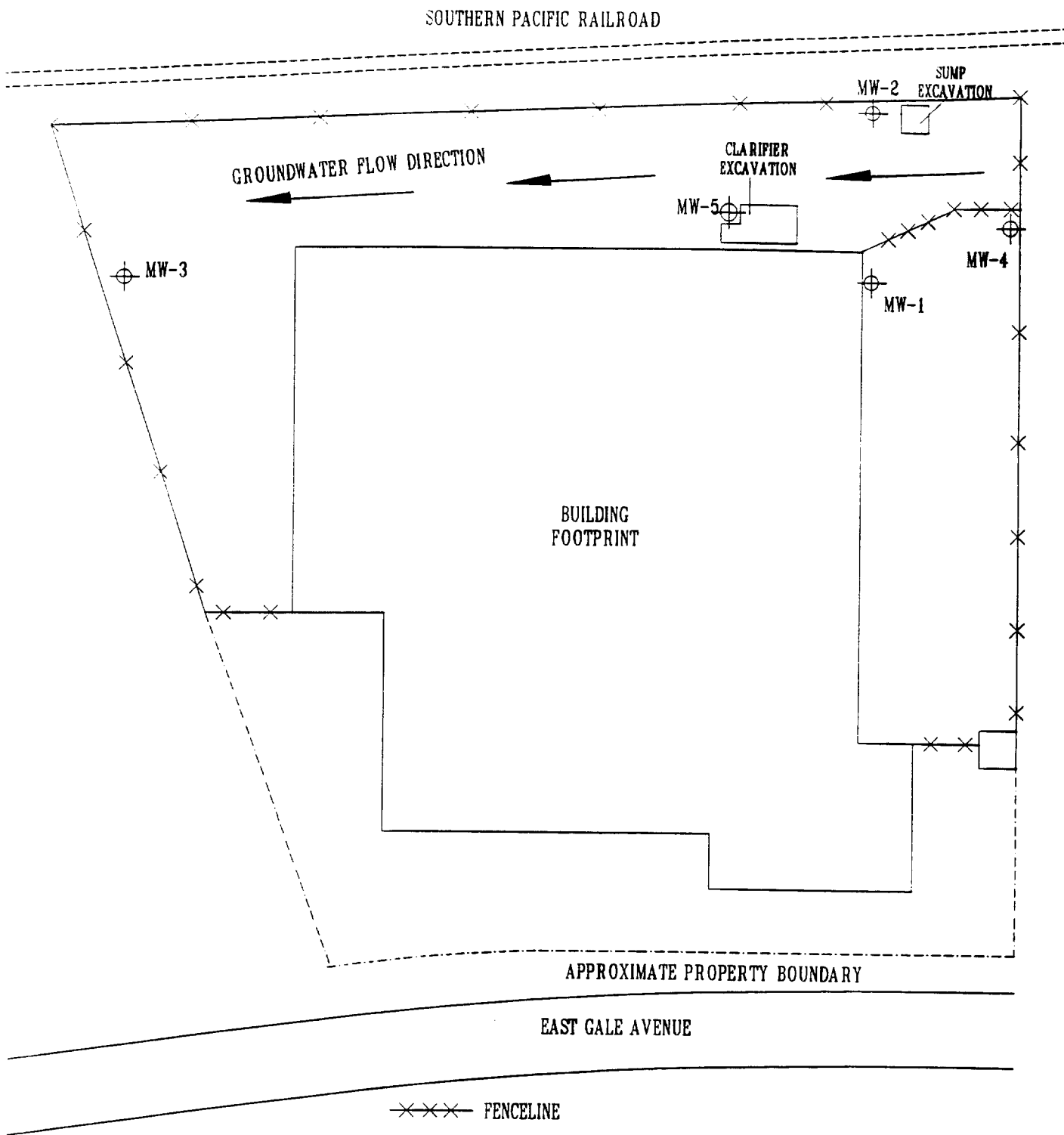


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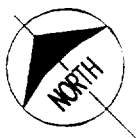
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
SITE LOCATION AND TOPOGRAPHY	1
The Stood Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00 3/93



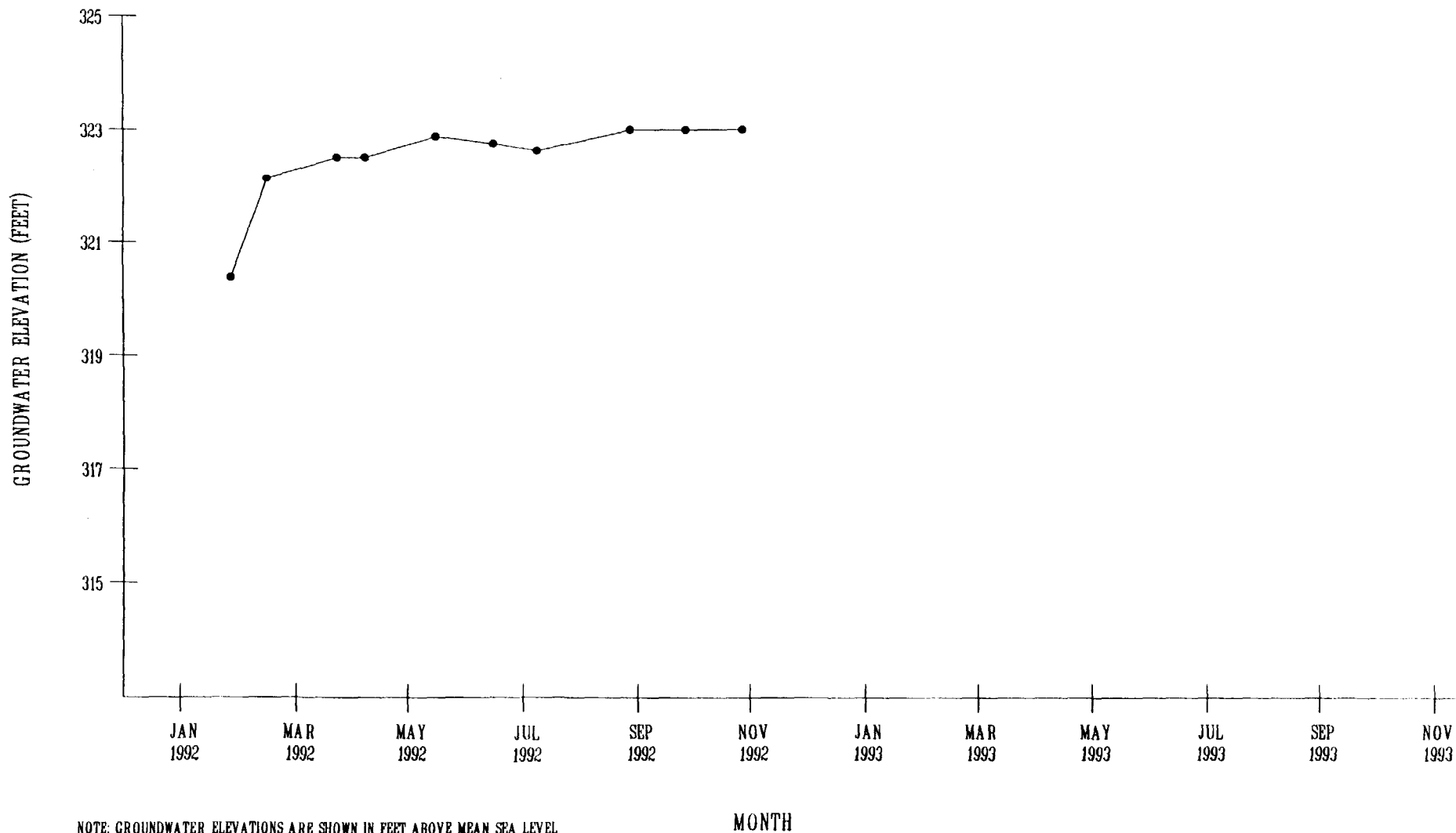
CLAYTON ENVIRONMENTAL CONSULTANTS.INC.		FIGURE
SITE PLAN		2
Stoody Company 16425 E. Gale Avenue Industry, CA	Clayton Project No. 39314.00	3/93



DRAWING NOT TO SCALE



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
GROUNDWATER FLOW DIRECTION	3
THERMADYNE INDUSTRIES STODDY COMPANY FACILITY INDUSTRY, CALIFORNIA	8/92
PROJECT NO. 41184.00	



Clayton Environmental Consultants, Inc.  
 5785 Corporate Avenue, Suite 150  
 Cypress, California 90630

PROJECT NO.:  
 39314.03

SCALE:  
 NTS

# MW-1 GROUNDWATER ELEVATIONS

STODDY COMPANY  
 16425 EAST GALE AVENUE  
 INDUSTRY, CALIFORNIA

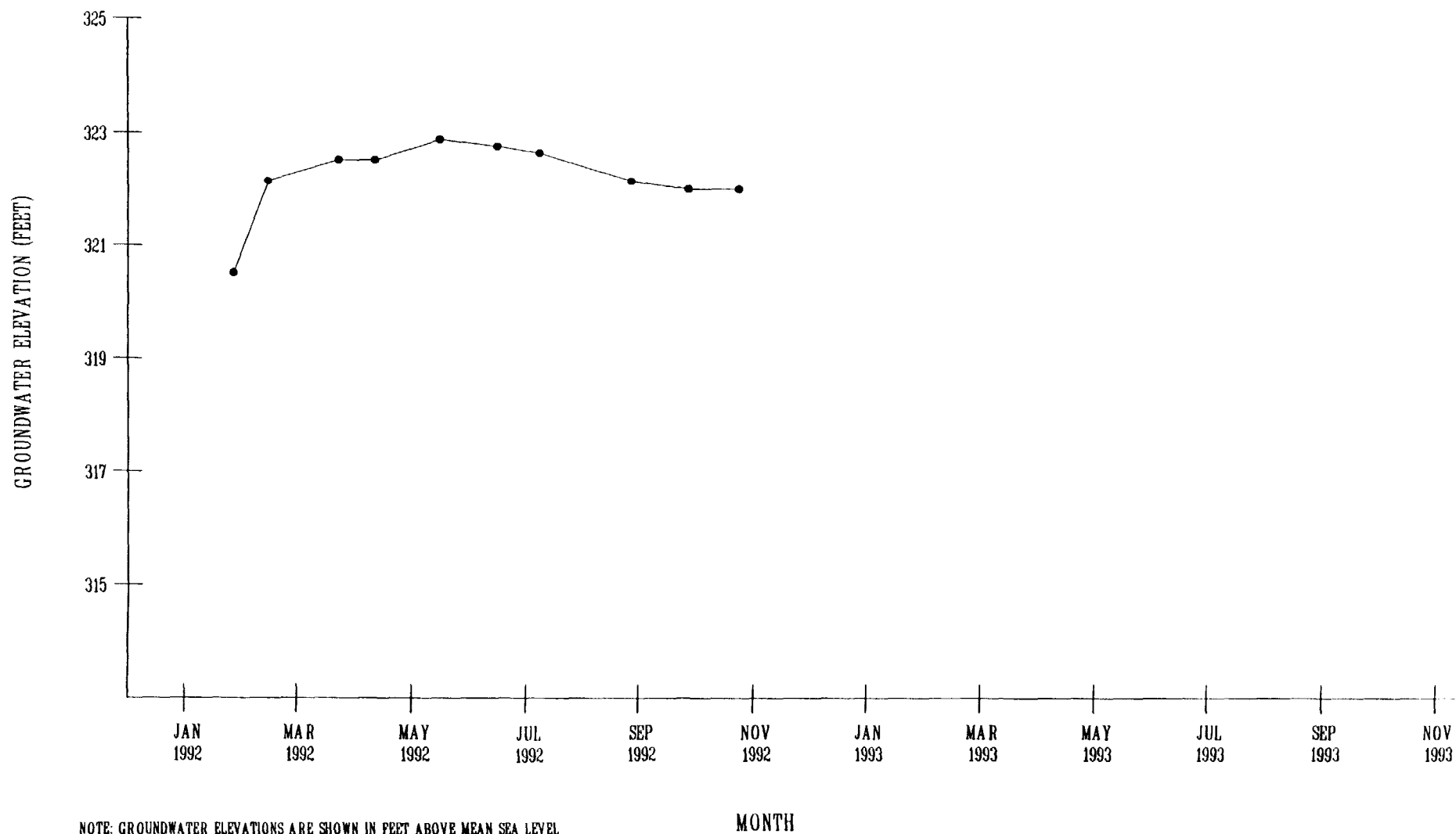
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DATE: 3/93

FIGURE NO.:

4



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 5785 Corporate Avenue, Suite 150  
 Cypress, California 90630

PROJECT NO.:  
 39314.03

SCALE:  
 NTS

# MW-2 GROUNDWATER ELEVATIONS

STODY COMPANY  
 16425 EAST GALE AVENUE  
 INDUSTRY, CALIFORNIA

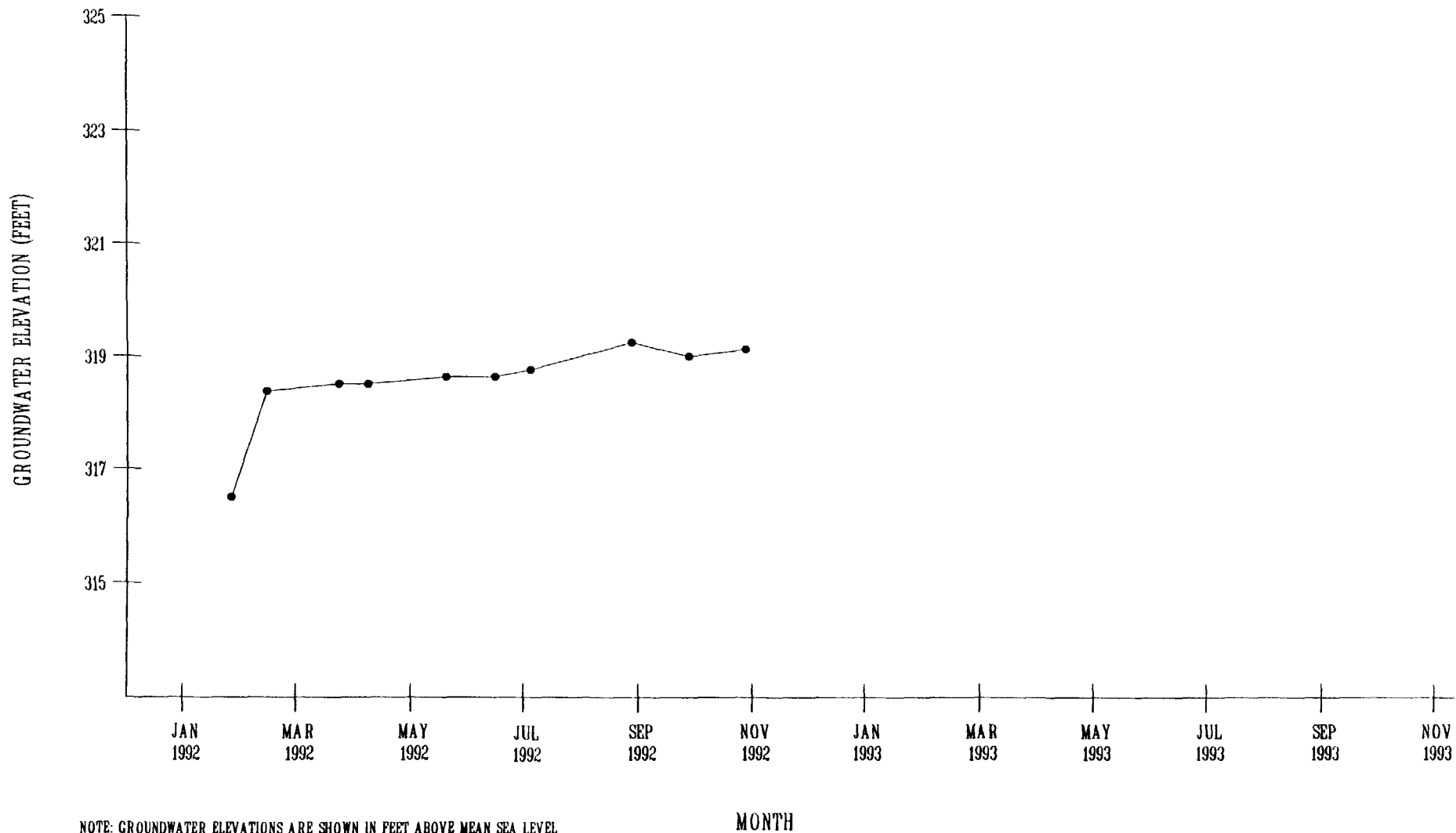
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FIGURE NO.:

5



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Cypress, California 90630

PROJECT NO.:  
39314.03

SCALE:  
NTS

### MW-3 GROUNDWATER ELEVATIONS

STODY COMPANY  
16425 EAST GALE AVENUE  
INDUSTRY, CALIFORNIA

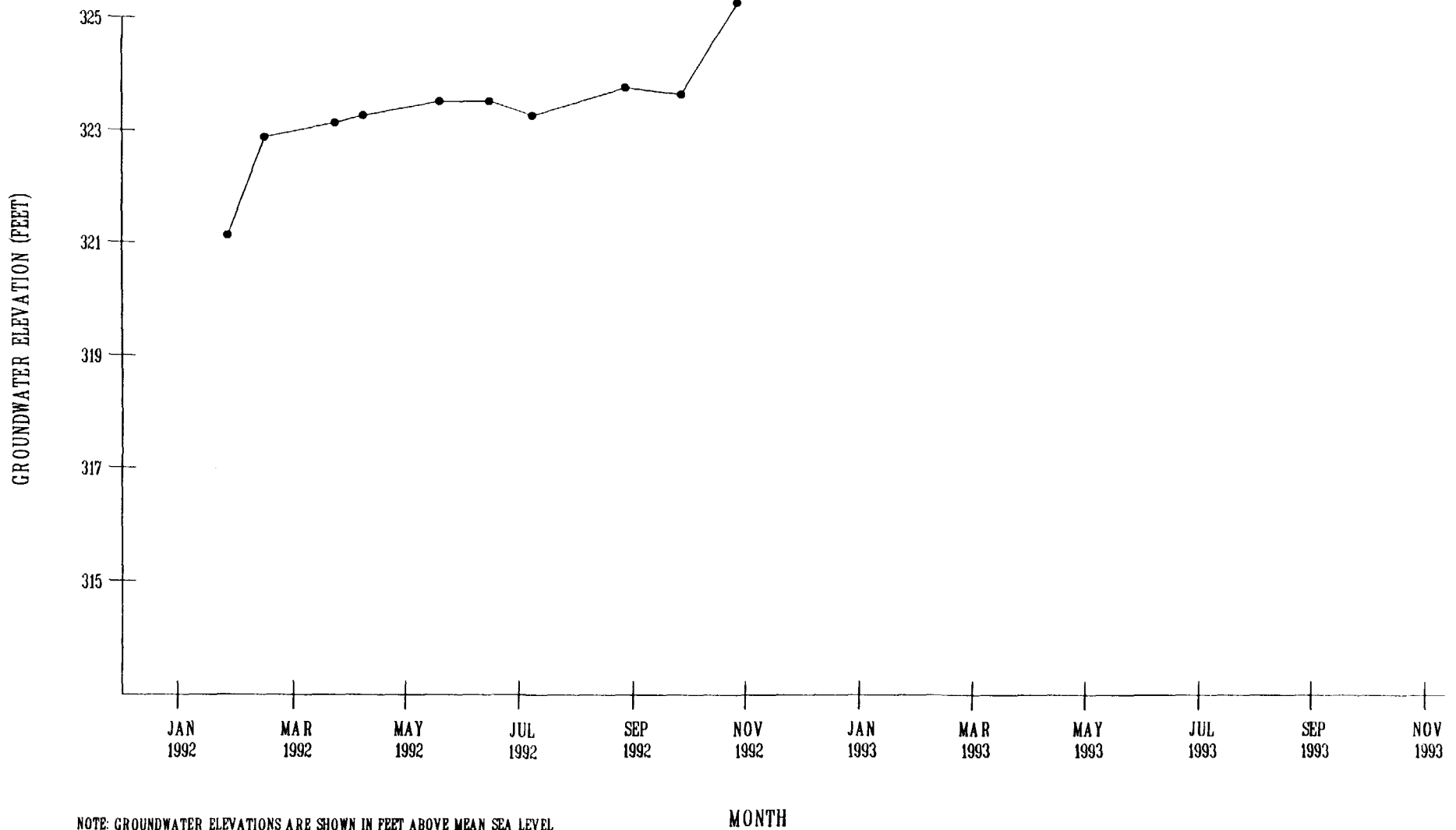
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DATE: 3/93

FIGURE NO.:

6



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5785 Corporate Avenue, Suite 150  
Cypress, California 90630

PROJECT NO.:  
39314.03

SCALE:  
NTS

# MW-4 GROUNDWATER ELEVATIONS

STOODY COMPANY  
16425 EAST GALE AVENUE  
INDUSTRY, CALIFORNIA

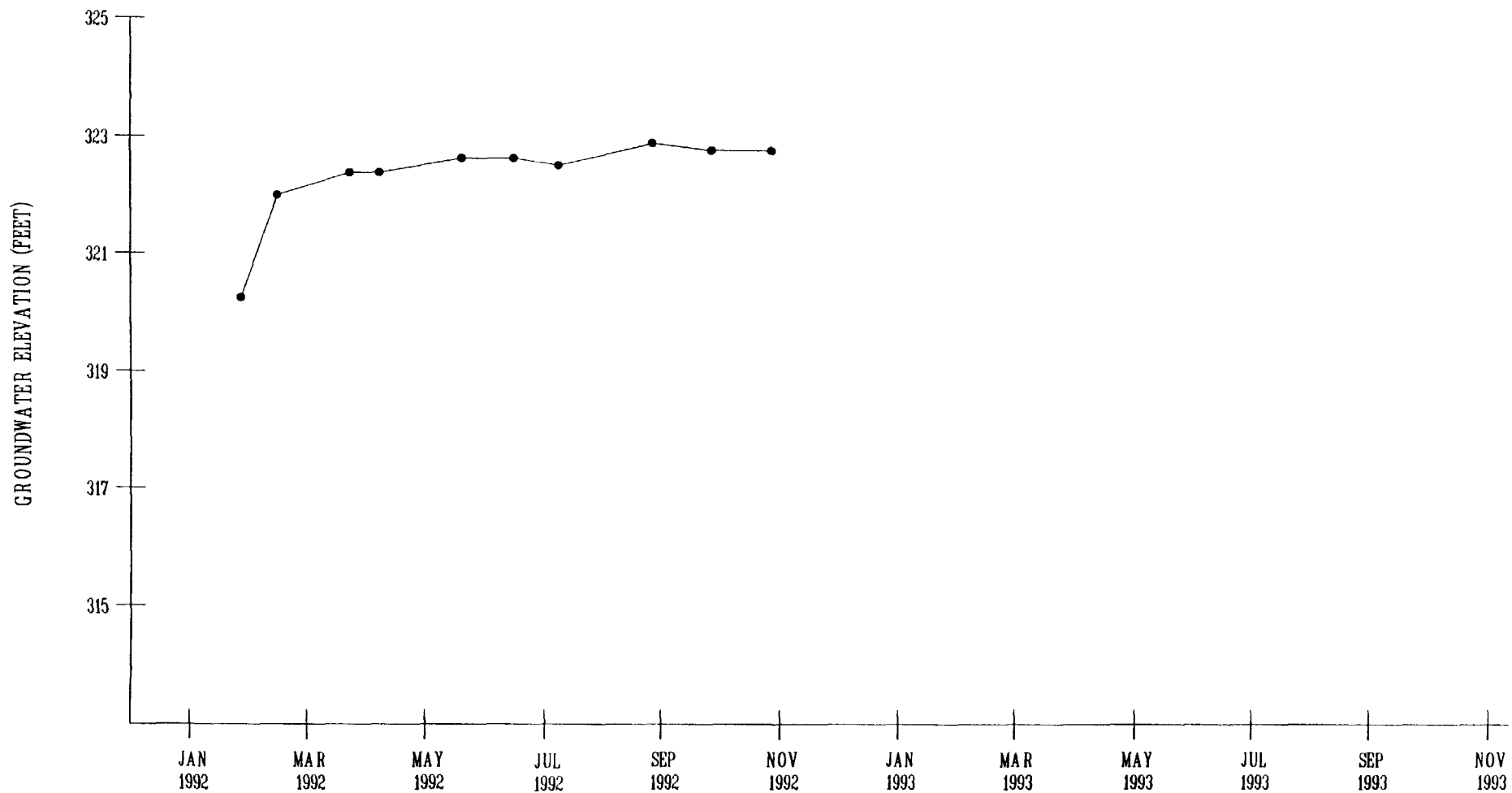
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DATE: 3/93

FIGURE NO.:

7



NOTE: GROUNDWATER ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEVEL

MONTH

Clayton Environmental Consultants, Inc.  
5785 Corporate Avenue, Suite 150  
Cypress, California 90630

PROJECT NO.:  
39314.03

SCALE:  
NTS

### MW-5 GROUNDWATER ELEVATIONS

STOODY COMPANY  
16425 EAST GALE AVENUE  
INDUSTRY, CALIFORNIA

DRAWN BY: LWW

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DATE: 3/93

FIGURE NO.:

8

**Table 1**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**

Compound	Date	MW-1	MW-2	MW-3	MW-4	MW-5	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
Benzene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1.0
	7-24-92	ND	ND	ND	ND	ND	ND	ND		EPAMCL: 5.0
	10-28-92	ND	ND	0.6	ND	ND	ND	ND		
Carbon tetrachloride (CTC)	3-24-92	ND	ND	+1.5	ND	ND	ND	ND	0.5	CAMCL: 0.5
	7-24-92	+0.7	ND	+0.9	+0.8	ND	ND	ND		EPAMCL: 5.0
	10-28-92	+0.9	+0.7	+0.9	+0.8	ND	ND	ND		
Chloroform	3-24-92	ND	ND	1.2	ND	ND	ND	ND	0.5	CAMCL & EPAMCL: 100
	7-24-92	ND	ND	0.8	0.5	ND	ND	ND		
	10-28-92	0.6	0.5	0.8	0.6	ND	ND	ND		
2-Chlorotoluene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	0.6	ND	ND	ND	ND		
1,2-Dichloroethane (1,2-DCA)	3-24-92	ND	ND	+0.54	ND	ND	ND	ND	0.5	CAMCL & EPAMCL: 0.5
	7-24-92	ND	ND	+0.6	ND	ND	ND	ND		
	10-28-92	ND	ND	+0.6	ND	ND	ND	ND		
1,1-Dichloroethene (1,1-DCE)	3-24-92	+21	+12	+54	+15	+7.7	ND	ND	0.5	CAMCL: 6.0
	7-24-92	+15	+9.3	+30	+17	5.4	ND	ND		EPAMCL: 7.0
	10-28-92	+20	+12	+25	+17	+8.2	ND	ND		

**Table 1 (Continued)**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**

Compound	Date	MW-1	MW-2	MW-3	MW-4	MW-5	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
Cis 1,2-Dichloroethene (Cis 1,2-DCE)	3-24-92	3.7	ND	0.51	3.6	2.1	ND	ND	0.5	CAMCL: 6.0 EPAMCL: 7.0
	7-24-92	3.0	2.7	ND	3.9	1.7	ND	ND		
	10-28-92	3.8	3.5	0.5	4.7	2.2	ND	ND		
Ethylbenzene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 680 EPAMCL: 700
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	0.8	ND	ND	ND	ND		
Methylene chloride (MC)	3-24-92	ND	ND	0.57	ND	ND	0.85	0.84	0.5	CAMCL: Unregulated EPAMCL: 5.0
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	ND	ND	ND	ND	ND		
Naphthalene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	1.6	ND	ND	ND	ND		
Tetrachloroethene (PCE)	3-24-92	+200	+210	+73	+160	+98	ND	ND	0.5	CAMCL: 5.0 EPAMCL: 5.0
	7-24-92	+170	+220	+34	+210	+120	ND	ND		
	10-28-92	+160	+180	+41	+160	+110	ND	ND		
Toluene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: Unregulated EPAMCL: 1,000
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	0.8	ND	ND	ND	ND		

**Table 1 (Continued)**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**

Compound	Date	MW-1	MW-2	MW-3	MW-4	MW-5	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
1,1,1-Trichloroethane (1,1,1-TCA)	3-24-92	ND	3.5	5.9	ND	1.1	ND	ND	0.5	CAMCL: 200  EPAMCL: 200
	7-24-92	1.4	2.9	2.4	1.8	1.0	ND	ND		
	10-28-92	1.7	3.2	2.4	1.8	1.2	ND	ND		
Trichloroethene (TCE)	3-24-92	+50	+31	+96	+41	+23	ND	ND	0.5	CAMCL: 5.0  EPAMCL: 5.0
	7-24-92	+37	+26	+49	+41	+23	ND	ND		
	10-28-92	+41	+30	+52	+40	+2.8	ND	ND		
Trichlorofluoro-methane (TCFM)	3-24-92	2.6	ND	ND	2.7	1.0	ND	ND	0.5	CAMCL: 150  EPAMCL: Unregulated
	7-24-92	2.7	2.3	0.6	4.8	1.1	ND	ND		
	10-28-92	3.0	2.2	ND	3.5	1.1	ND	ND		
1,2,4-Trimethylbenzene (1,2,4-TMB)	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	2.6	ND	ND	ND	ND		
1,3,5-Trimethylbenzene (1,3,5-TMB)	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	Unregulated
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	2.1	ND	ND	ND	ND		
o-Xylene	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,750  EPAMCL: 10,000
	7-24-92	ND	ND	ND	ND	ND	ND	ND		
	10-28-92	ND	ND	1.1	ND	ND	ND	ND		

**Table 1 (Continued)**  
**Summary Table of Results for EPA Method 524.2 (Concentrations in ug/L)**  
**for Volatile Organic Compounds**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**

Compound	Date	MW-1	MW-2	MW-3	MW-4	MW-5	Field Blank	Method Blank	LOD for Compound	CAMCL and EPAMCL for Compound
p, m-Xylenes	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,750
	7-24-92	ND	ND	ND	ND	ND	ND	ND		EPAMCL: 10,000
	10-28-92	ND	ND	3.6	ND	ND	ND	ND		
Freon 113	3-24-92	ND	ND	ND	ND	ND	ND	ND	0.5	CAMCL: 1,200
	7-24-92	ND	ND	ND	ND	ND	ND	ND		EPAMCL: Unregulated
	10-28-92	14	7.7	15	13	4.6	ND	ND		

ND: Not detected at or above limit of detection  
 ug/L: Micrograms per liter (generally equivalent to parts per billion)  
 NT: Not tested  
 CAMCL: State of California Department of Health Services, Primary Maximum Contaminant Level  
 EPAMCL: Environmental Protection Agency Maximum Contaminant Level  
 LOD: Limit of detection  
 +: Reported concentration is above CAMCL and/or EPAMCL

**Table 2**  
**Groundwater Monitoring Well Data**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**  
**Measurement Date: October 28, 1992**

Elevations (feet)					
Monitoring Well	MW-1	MW-2	MW-3	MW-4	MW-5
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Date of Measurements	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
Total depth of well from top of casing	44.70	45.00	45.00	45.00	50.70
Depth to water from top of casing	29.32	28.22	30.20	28.20	28.89
Elevation of water (MSL)	322.86	322.90	319.14	325.35	322.75

MSL: Elevation above Mean Sea Level

**Table 3**  
**Summary Table of Groundwater Elevations**  
**First, Second, and Third Quarters; 1992**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**

<b>Measurement Date</b>	<b>MW-1 (feet)</b>	<b>MW-2 (feet)</b>	<b>MW-3 (feet)</b>	<b>MW-4 (feet)</b>	<b>MW-5 (feet)</b>
11/91	319.72	319.83	315.72	320.51	319.47
1/29/92	320.42	320.47	316.59	321.14	320.30
2/16/92	322.12	322.23	318.33	322.87	322.03
3/23/92	322.46	322.58	318.58	323.19	322.36
4/9/92	322.48	322.52	318.58	323.21	322.39
5/19/92	322.80	322.88	318.79	323.53	322.67
6/17/92	322.72	322.78	318.78	323.45	322.59
7/6/92	322.67	322.63	318.77	323.26	322.43
8/25/92	323.00	322.08	319.13	323.73	322.89
9/25/92	322.92	321.98	318.97	323.59	322.76
10/28/92	322.86	322.90	319.14	325.35	322.75

Note: Groundwater elevations are shown in feet above mean sea level

**Table 4**  
**Summary Table of Results for EPA Method 180.1**  
**for Turbidity**  
**at**  
**Stoody Company**  
**City of Industry, California**  
**Clayton Project No. 39314.03**  
**Sampling Date: October 28, 1992**

Sample Identification	Turbidity (N.T.U.)*
MW-1	140
MW-2	390
MW-3	58
MW-4	610
MW-5	2.4
Blank	<0.1

Limit of detection: 0.1 N.T.U.  
 \*N.T.U.: Nephelometric Turbidity Units

**APPENDIX B**

**GROUNDWATER SAMPLING FORMS**

# CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

## WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.03

Site: Stooddy

Date: 10/28/92

Well No: MW-1

Sampling Team: R. Zicker

Sampling Method: Hand bail

Field Conditions: Partly cloudy, warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

44.70 feet

Time:

1015

Depth to Water  
Before Purging:

29.32 feet

Volume  
Height of  
Water  
Column:

15.38 ft.

\*

Diameter  
2-inch

.16

Diameter  
4-inch

.65

=

Volume

9.97 gal

\*

Purge  
Factor

3

=

Volume  
To Purge

29.99

Depth Purging From: 44 feet

Time Surging Begins: 1015

Notes on Initial Discharge: Clear, no odor

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
1015	5	4.77	1.96	70.9	Clear, no odor
	10	4.89	1.89	72.1	Clear, no odor
	20	4.72	1.92	72.3	Clear, no odor
	30	5.03	1.83	71.8	Clear, no odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**  
**(CONTINUED)**

Time Field Parameter Measurement Begins: 1050

	Rep #1
pH	4.82
Conductivity ( $\times 10^3$ )	1.91
T (°F)	71.8

Pre-Sample Collection Gallons Purged: 50  
Time Sample Collection Begins: 1050  
Time Sample Collection Ends: 1055  
Total Gallons Purged: 50

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**

Job No: 39314.03

Site: Stooddy

Date: 10/28/92

Well No: MW-2

Sampling Team: R. Zicker

Sampling Method: Hand bail

Field Conditions: Partly cloudy, warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

45.00 feet

Time:

0950

Depth to Water  
Before Purging:

28.22 feet

Volume  
Height of  
Water  
Column:

16.78 feet

\*

Diameter  
2-inch

.16

Diameter  
4-inch

.65

=

Volume

10.91 gal

\*

Purge  
Factor

3

=

Volume  
To Purge

32.72

Depth Purging From: 45 feet

Time Surging Begins: 0950

Notes on Initial Discharge: Cloudy, tan, no odor

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
0950	5	4.94	2.04	71.8	Cloudy, tan, no odor
	10	4.83	1.98	72.1	Cloudy, tan, no odor
	20	4.94	2.06	71.7	Cloudy, tan, no odor
	30	4.82	2.02	71.4	Cloudy, tan, no odor
	40	1.96	1.96	72.5	Cloudy, tan, no odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**  
**(CONTINUED)**

Time Field Parameter Measurement Begins: 1010

	Rep #1
pH	4.83
Conductivity ( $\times 10^3$ )	2.02
T ( $^{\circ}\text{F}$ )	72.1

Pre-Sample Collection Gallons Purged: 40  
Time Sample Collection Begins: 1010  
Time Sample Collection Ends: 1015  
Total Gallons Purged: 40

Comments:

# CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

## WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.03

Site: Stooddy

Date: 10/28/92

Well No: MW-3

Sampling Team: R. Zicker

Sampling Method: Hand bail

Field Conditions: Partly cloudy, warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

45.00 feet

Time:

0830

Depth to Water  
Before Purging:

30.20 feet

Volume  
Height of  
Water

Diameter  
2-inch

Diameter  
4-inch

Volume

Purge  
Factor

Volume  
To Purge

Column: 14.80 feet

\*

.16

.65

=

9.62 gal

\*

3

=

28.86

Depth Purging From: 45 feet

Time Surging Begins: 0834

Notes on Initial Discharge: Clear, oily sheen, petroleum odor

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
0834	1st bail (4 gallons)	5.52	2.07	71.1	Clear, oily sheen on surface, slight petroleum odor
	10	5.45	2.12	68.6	Clear, oily sheen on surface, slight petroleum odor
	30	5.39	2.20	72.1	Clear, oily sheen on surface, slight petroleum odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**  
**(CONTINUED)**

Time Field Parameter Measurement Begins: 0850

	Rep #1
pH	5.49
Conductivity ( $\times 10^3$ )	2.11
T ( $^{\circ}\text{F}$ )	68.9

Pre-Sample Collection Gallons Purged: 30  
Time Sample Collection Begins: 0850  
Time Sample Collection Ends: 0855  
Total Gallons Purged: 30

Comments: Slight oily sheen on surface, slight petroleum odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**

Job No: 39314.03

Site: Stooddy

Date: 10/28/92

Well No: MW-4

Sampling Team: R. Zicker

Sampling Method: Hand bail

Field Conditions: Partly cloudy, warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

45.00 feet

Time:

1055

Depth to Water  
Before Purging:

28.20 feet

Volume  
Height of  
Water  
Column:

16.80 feet

\*

Diameter  
2-inch

.16

Diameter  
4-inch

.65

=

Volume

10.92 gal

\*

Purge  
Factor

3

=

Volume  
To Purge

32.76

Depth Purging From: 45 feet

Time Surging Begins: 1055

Notes on Initial Discharge: Cloudy, brown, no odor

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
1055	5	5.05	1.89	71.4	Cloudy, brown, no odor
	10	5.12	1.78	71.3	Cloudy, brown, no odor
	15	5.34	1.88	73.4	Cloudy, brown, no odor
	30	5.24	1.91	72.5	Cloudy, brown, no odor
	50	5.39	1.87	71.5	Cloudy, brown, no odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**  
**(CONTINUED)**

Time Field Parameter Measurement Begins: 1115

	Rep #1
pH	5.29
Conductivity ( $\times 10^3$ )	1.86
T ( $^{\circ}\text{F}$ )	72.7

Pre-Sample Collection Gallons Purged: 50  
Time Sample Collection Begins: 1115  
Time Sample Collection Ends: 1120  
Total Gallons Purged: 50

Comments: Cloudy, brown, no odor

# CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

## WATER SAMPLING FIELD SURVEY FORM

Job No: 39314.03

Site: Stooddy

Date: 10/28/92

Well No: MW-5

Sampling Team: R. Zicker

Sampling Method: Hand bail

Field Conditions: Partly warm

Describe Equipment Decontamination Before Sampling This Well:

Three-stage Alconox detergent wash, potable water rinse, double rinsed in deionized water

Total Depth  
of Well:

50.70 feet

Time:

0930

Depth to Water  
Before Purging:

28.89 feet

Volume  
Height of  
Water  
Column:

21.81 feet

\*

Diameter  
2-inch

.16

Diameter  
4-inch

.65

=

Volume

14.18 gal

\*

Purge  
Factor

3

=

Volume  
To Purge

42.53

Depth Purging From: 50 feet

Time Surging Begins: 0930

Notes on Initial Discharge: Slight oil sheen, no odor

Time	Volume Purged (gallons)	pH	Conductivity (x10 <sup>3</sup> )	T (°F)	Comments
0930	5	5.37	1.78	73.4	Slight sheen, no odor
	10	5.29	1.81	72.9	Slight sheen, no odor
	20	5.39	1.79	73.2	Slight sheen, no odor
	30	5.42	1.83	73.1	Slight sheen, no odor
	40	5.73	1.77	72.8	Slight sheen, no odor
	50	5.25	1.76	71.0	Slight sheen, no odor

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**  
**(CONTINUED)**

Time Field Parameter Measurement Begins: 0945

	Rep #1
pH	5.40
Conductivity (x10 <sup>3</sup> )	1.78
T (°F)	72.4

Pre-Sample Collection Gallons Purged: 55  
Time Sample Collection Begins: 0945  
Time Sample Collection Ends: 0950  
Total Gallons Purged: 55

Comments:

**APPENDIX C**

**LABORATORY REPORTS  
AND  
CHAIN-OF-CUSTODY FORMS**

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

November 4, 1992

Mr. Guy Romine  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
5785 Corporate Ave. Ste. 150  
Cypress, CA 90630

Client Ref. 39314.00  
Clayton Project No. 92103.27

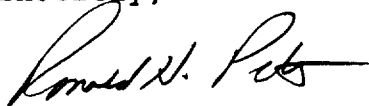
Dear Mr. Romine:

Attached is our analytical laboratory report for the samples received on October 29, 1992. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Silvera, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Ronald H. Peters, CIH  
Director, Laboratory Services  
Western Operations

RHP/caa  
Attachments

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-1	Date Sampled:	10/28/92
Lab Number:	9210327-01A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	0.9	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	0.6	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-1	Date Sampled:	10/28/92
Lab Number:	9210327-01A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	20	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	3.8	0.5
1,2-Dichloroethene (total)	540-59-0	3.8	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-1	Date Sampled:	10/28/92
Lab Number:	9210327-01A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	160	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	1.7	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	41	0.5
Trichlorofluoromethane	75-69-4	3.0	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-1	Date Sampled:	10/28/92
Lab Number:	9210327-01A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	14	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
4-Bromofluorobenzene	460-00-4	93	80 - 120
1,2-Dichlororbenzene-d4	2199-69-1	94	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-2	Date Sampled:	10/28/92
Lab Number:	9210327-02A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	0.7	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	0.5	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-2	Date Sampled:	10/28/92
Lab Number:	9210327-02A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	12	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	3.5	0.5
1,2-Dichloroethene (total)	540-59-0	3.5	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-2	Date Sampled:	10/28/92
Lab Number:	9210327-02A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	180	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	3.2	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	30	0.5
Trichlorofluoromethane	75-69-4	2.2	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: MW-2	Date Sampled: 10/28/92
Lab Number: 9210327-02A	Date Received: 10/29/92
Sample Matrix/Media: WATER	Date Analyzed: 10/30/92
Analytical Method: EPA 524.2	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	7.7	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL      UCL
4-Bromofluorobenzene	460-00-4	103	80 - 120
1,2-Dichlororbenzene-d4	2199-69-1	93	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-3	Date Sampled:	10/28/92
Lab Number:	9210327-03A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	0.6	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	0.9	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	0.8	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	0.6	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-3	Date Sampled:	10/28/92
Lab Number:	9210327-03A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	0.6	0.5
1,1-Dichloroethene	75-35-4	25	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	0.5	0.5
1,2-Dichloroethene (total)	540-59-0	0.5	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	0.8	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-3	Date Sampled:	10/28/92
Lab Number:	9210327-03A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	1.6	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	41	0.5
Toluene	108-88-3	0.8	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	2.4	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	52	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	2.6	0.5
1,3,5-Trimethylbenzene	108-67-8	2.1	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	1.1	0.5
p,m-Xylenes	--	3.6	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-3	Date Sampled:	10/28/92
Lab Number:	9210327-03A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	15	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> <u>LCL</u> <u>UCL</u>
4-Bromofluorobenzene	460-00-4	93	80 - 120
1,2-Dichlororobenzene-d4	2199-69-1	96	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-4	Date Sampled:	10/28/92
Lab Number:	9210327-04A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	0.8	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	0.6	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-4	Date Sampled:	10/28/92
Lab Number:	9210327-04A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	17	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	4.7	0.5
1,2-Dichloroethene (total)	540-59-0	4.7	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-4	Date Sampled:	10/28/92
Lab Number:	9210327-04A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	160	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	1.8	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	40	0.5
Trichlorofluoromethane	75-69-4	3.5	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: MW-4	Date Sampled: 10/28/92
Lab Number: 9210327-04A	Date Received: 10/29/92
Sample Matrix/Media: WATER	Date Analyzed: 10/30/92
Analytical Method: EPA 524.2	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	13	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
			<u>LCL</u> <u>UCL</u>
4-Bromofluorobenzene	460-00-4	96	80 - 120
1,2-Dichlororbenzene-d4	2199-69-1	91	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-5	Date Sampled:	10/28/92
Lab Number:	9210327-05A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-5	Date Sampled:	10/28/92
Lab Number:	9210327-05A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	8.2	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	2.2	0.5
1,2-Dichloroethene (total)	540-59-0	2.2	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-5	Date Sampled:	10/28/92
Lab Number:	9210327-05A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	110	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	1.2	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	2.8	0.5
Trichlorofluoromethane	75-69-4	1.1	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	MW-5	Date Sampled:	10/28/92
Lab Number:	9210327-05A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	4.6	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
4-Bromofluorobenzene	460-00-4	93	80 - 120
1,2-Dichlororbenzene-d4	2199-69-1	89	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	FIELD BLANK	Date Sampled:	10/28/92
Lab Number:	9210327-06A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	FIELD BLANK	Date Sampled:	10/28/92
Lab Number:	9210327-06A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
1,2-Dichloroethene (total)	540-59-0	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	FIELD BLANK	Date Sampled:	10/28/92
Lab Number:	9210327-06A	Date Received:	10/29/92
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: FIELD BLANK	Date Sampled: 10/28/92
Lab Number: 9210327-06A	Date Received: 10/29/92
Sample Matrix/Media: WATER	Date Analyzed: 10/30/92
Analytical Method: EPA 524.2	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	ND	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
4-Bromofluorobenzene	460-00-4	97	80 - 120
1,2-Dichlorororbenzene-d4	2199-69-1	89	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: METHOD BLANK  
Lab Number: 9210327-07A  
Sample Matrix/Media: WATER  
Analytical Method: EPA 524.2

Date Sampled: --  
Date Received: --  
Date Analyzed: 10/30/92

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds</u>			
Benzene	71-43-2	ND	0.5
Bromobenzene	108-86-1	ND	0.5
Bromochloromethane	74-97-5	ND	0.5
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
n-Butylbenzene	104-51-8	ND	0.5
sec-Butylbenzene	135-98-8	ND	0.5
tert-Butylbenzene	98-06-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
2-Chlorotoluene	95-49-8	ND	0.5
4-Chlorotoluene	106-43-4	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.5
1,2-Dibromoethane	106-93-4	ND	0.5
Dibromomethane	74-95-3	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9210327-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Analyzed:	10/30/92
Analytical Method:	EPA 524.2		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-7	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-35-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	ND	0.5
1,2-Dichloroethene (total)	540-59-0	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
1,3-Dichloropropane	142-28-9	ND	0.5
2,2-Dichloropropane	594-20-7	ND	0.5
1,1-Dichloropropene	563-58-6	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
c-1,3-dichloropropene	10061-01-5	ND	0.5
t-1,3-dichloropropene	10061-02-6	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Isopropylbenzene	98-82-8	ND	0.5
p-Isopropyltoluene	99-87-6	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9210327-07A	Date Received: --
Sample Matrix/Media: WATER	Date Analyzed: 10/30/92
Analytical Method: EPA 524.2	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Methylene chloride	75-09-2	ND	0.5
Naphthalene	91-20-3	ND	0.5
n-Propylbenzene	103-65-1	ND	0.5
Styrene	100-42-5	ND	0.5
1,1,2,2-Tetrachloroethane	79-32-5	ND	0.5
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
Toluene	108-88-3	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,2,3-Trichloropropane	96-18-4	ND	0.5
1,2,4-Trimethylbenzene	95-63-6	ND	0.5
1,3,5-Trimethylbenzene	108-67-8	ND	0.5
Vinyl chloride	75-01-4	ND	0.5
o-Xylene	95-47-6	ND	0.5
p,m-Xylenes	--	ND	0.5

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9210327-07A	Date Received: --
Sample Matrix/Media: WATER	Date Analyzed: 10/30/92
Analytical Method: EPA 524.2	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Volatile Organic Compounds (continued)</u>			
Freon 113	76-13-1	ND	0.5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
4-Bromofluorobenzene	460-00-4	87	80 - 120
1,2-Dichlorobenzene-d4	2199-69-1	84	80 - 120

ND Not detected at or above limit of detection  
-- Information not available or not applicable

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 39314.00  
Clayton Project No. 92103.27

Sample Matrix/Media: WATER  
Analysis Method: EPA 180.1

Date Received: 10/29/92  
Date Analyzed: 10/30/92

Lab Number	Sample Identification	Date Sampled	Turbidity (N.T.U.)	Detection Limit (N.T.U.)
01D	MW-1	10/28/92	140	0.1
02D	MW-2	10/28/92	390	0.1
03D	MW-3	10/28/92	58	0.1
04D	MW-4	10/28/92	610	0.1
05D	MW-5	10/28/92	2.4	0.1
07A	METHOD BLANK	--	<0.1	0.1

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

**A Marsh & McLennan Company**

## REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 1

Project No.

Batch No. 2210 327

Ind. Code

W.P.

Date Logged In 10/27/22

By T<sup>e</sup>

REPORT RESULTS TO	Name	Guy Romaine	Title	Geo
	Company	Clayton	Dept.	EE
	Mailing Address	Cypress		
	City, State, Zip			
	Telephone No.		Telefax No.	
	Date Results Req.: 10/28/92	Rush Charges Authorized? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Phone / Fax Results <input type="checkbox"/> Phone <input type="checkbox"/> Fax	Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York
Special Instructions: (method, limit of detection, etc.)			* Explanation of Preservative: HCL	
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)
mw-1		10/28/92	water	23 P <sup>14</sup> NA 40.8
mw-2				
mw-3				
mw-4				
mw-5				
Field Blank		10/28/92	water	NA 40.8
CHAIN OF CUSTODY	Collected by:	Robert Zicker (print)	Collector's Signature:	
	Relinquished by:		Received by:	
	Relinquished by:		Received at Lab by:	Terry Lelio
	Method of Shipment:		Sample Condition Upon Receipt:	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)
Authorized by:		Date		
(Client Signature Must Accompany Request)				

**Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:**

**22345 Roethel Drive**  
**Novi, MI 48375**  
**(313) 344-1770**

**Raritan Center**  
160 Fieldcrest Ave.  
Edison, NJ 08837  
(908) 225-6040

**400 Chastain Center Blvd., N.W.  
Suite 490  
Kennesaw, GA 30144  
(404) 499-7500**

**1252 Quarry Lane  
Pleasanton, CA 94566  
(510) 426-2657**

**DISTRIBUTION:**

**WHITE** - Clayton Laboratory  
**YELLOW** - Clayton Accounting  
**PINK** - Client Retains